

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of

Tao Tao, Mario H. Skiadopoulos, Peter L. Collins, Brian R. Murphy

Serial No. 09/459,062

Group Art Unit: 1648

Filing Date: December 10, 1999

Examiner: S. Brown

For: CONSTRUCTION AND USE OF RECOMBINANT PARAINFLUENZA
VIRUSES EXPRESSING A CHIMERIC GLYCOPROTEINDATE OF DEPOSIT: 4/12/2002
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REGISTRATION NO. 38,515

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Washington DC 20231

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The undersigned hereby authorizes Wayne Croteau, Christina Mraz and
Doreen Watson to inspect and make copies of the file history of the above-identified
application.

Date: 4/12/2002Jeffrey J. King
Registration No. 38,515Woodcock Washburn LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

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Tao Tao et al.

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ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION
AND
REVOCATION AND POWER OF ATTORNEY

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). The original assignment was recorded on April 5, 2000 at Reel 010730, Frames 0728-0731. A copy of that submission is attached. This Assignment represents the entire chain of title of this invention from the Inventors Tao Tao, Mario H. Skiadopoulos, Peter L. Collins, and Brian R. Murphy to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the below listed registrants of National Institutes of Health Offices of Technology Transfer, 6011 Executive Boulevard, Suite 325, Rockville, MD 20852, telephone (301) 496-7056, as its agents and attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his/her/their attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

<u>James C. Haight</u>	Reg. No. <u>25,588</u>
<u>David R. Sadowski</u>	Reg. No. <u>32,808</u>
<u>Jack Spiegel</u>	Reg. No. <u>34,477</u>
<u>Susan S. Rucker</u>	Reg. No. <u>35,762</u>
<u>Stephen Finley</u>	Reg. No. <u>36,357</u>
<u>Steven Ferguson</u>	Reg. No. <u>38,448</u> ✓
<u>John Peter Kim</u>	Reg. No. <u>38,514</u>
<u>Norbert Pontzer</u>	Reg. No. <u>40,777</u>
<u>Richard U. Rodriguez</u>	Reg. No. <u>45,980</u>
<u>Marlene Shinn</u>	Reg. No. <u>46,005</u>
<u>Dale Berkley</u>	Reg. No. <u>42,319</u> ✓
<u>Catherine M. Joyce</u>	Reg. No. <u>40,668</u>

The National Institutes of Health Office of Technology Transfer has been duly delegated responsibility for such patent matters under the authority of the Department of Health and Human Services Secretary Louis W. Sullivan's May 21, 1991, memorandum appearing in the Friday, June 7, 1991, Federal Register Notices at Vol. 56, No. 110, pp. 26418-26419. The undersigned is authorized to exercise such authority in this matter.

Done on this 11 day of MARCH, 2002, at Rockville, Maryland.

UNITED STATES DEPARTMENT OF
HEALTH AND HUMAN SERVICES

By: Jack Spiegel

Printed Name: JACK SPIEGEL

Registration No.: 34,477

for: Dr. Jack Spiegel, Director, OTTT
Office of Technology Transfer
National Institutes of Health
6011 Executive Boulevard, Suite 325
Rockville, MD 20852
Telephone (301) 496-7056
Facsimile (301) 402-0220

DHHS CASE NO. E-029-00/00



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Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
JJKing



101338489A

JUNE 26, 2000

PTAS
TOWNSEND AND TOWNSEND AND CREW LLP
JEFFREY J. KING
TWO EMBARCADERO CENTER, 8TH FLOOR
SAN FRANCISCO, CA 94111-3834

UNITED STATES PATENT AND TRADEMARK OFFICE
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/05/2000

REEL/FRAME: 010730/0728
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TAO, TAO

DOC DATE: 02/25/2000

ASSIGNOR:

SKIADOPOULOS, MARIO H.

DOC DATE: 02/25/2000

ASSIGNOR:

COLLINS, PETER L.

DOC DATE: 02/25/2000

ASSIGNOR:

MURPHY, BRIAN R.

DOC DATE: 02/25/2000

ASSIGNEE:

HEALTH AND HUMAN SERVICES,
GOVERNMENT OF THE UNITED STATES
OF AMERICA, AS REPRESENTED BY
THE

6011 EXECUTIVE BOULEVARD
SUITE 325
ROCKVILLE, MARYLAND 20852

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010730/0728 PAGE 2

SERIAL NUMBER: 09459062
PATENT NUMBER:

FILING DATE: 12/10/1999
ISSUE DATE:

PEARLENE FOSTER, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

04-28-2000

Attorney Docket No. 17634-000340US
DHHS Ref No. E-029-00/0FORM PTO-1595
(Rev. 6-93)

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U.S. Department of Commerce
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

TAO TAO
MARIO H. SKIADOPOULOS
PETER L. COLLINS
BRIAN R. MURPHYAdditional name(s) of conveying parties attached? ☐ Yes
☒ No.

2. Name and address of receiving party(ies)

Name: THE GOVERNMENT OF THE UNITED STATES OF
AMERICA, as represented by THE DEPARTMENT OF HEALTH
AND HUMAN SERVICES

Internal Address:

Street Address: 6011 Executive Boulevard, Suite 325

City: Rockville State: Maryland ZIP: 20852

Additional names and addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

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- Assignment
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- Merger
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- ☐
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- ☐
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Execution Date: February 25, 2000

4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s): 09/459,062

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jeffrey J. King
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(206) 467-9600

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): -----\$40

☐ Enclosed ☒ Charge Fees to Deposit Account☒ Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

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*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.*Jeffrey J. King
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Attorney Docket No. 17634-000340US
DHHS Ref No. E-029-00/0FORM PTO-1595
(Rev. 6-93)Recordation Form Cover Sheet
(Patents Only)U.S. Department of Commerce
Patent and Trademark Office

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BRIAN R. MURPHYAdditional name(s) of conveying parties attached? ☐ Yes
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AND HUMAN SERVICES

Internal Address:

Street Address: 6011 Executive Boulevard, Suite 325

City: Rockville State: Maryland ZIP: 20852

Additional names and addresses attached? ☐ Yes ☒ No

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☐ Security Agreement ☐ Change of Name
☐ Other:

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B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: Jeffrey J. King
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(206) 467-9600

6. Total number of applications and patents involved 1

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Signature

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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Tao Tao, of 10684 Weymouth Street, #104, Bethesda, MD 20814, Mario H. Skiadopoulos, of 8303 Aqueduct Road, Potomac, MD 20854, Peter L. Collins, of 12304 Village Square, #401, Rockville, MD 20852, and Brian R. Murphy, of 5410 Tuscarawas Road, Bethesda, MD 20816, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: CONSTRUCTION AND USE OF
RECOMBINANT PARAINFLUENZA
VIRUSES EXPRESSING A CHIMERIC
GLYCOPROTEIN

Filing Date: December 10, 1999

Application No.: 09/459,062 ; and

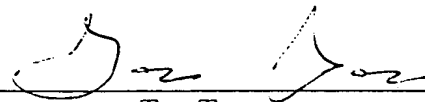
WHEREAS, THE GOVERNMENT OF THE UNITED STATES OF AMERICA as represented by the Department of Health and Human Services, of 6011 Executive Boulevard, Suite 325, Rockville, Maryland, 20852, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

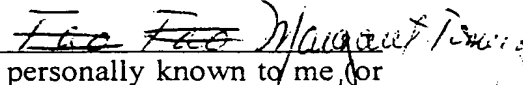
Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

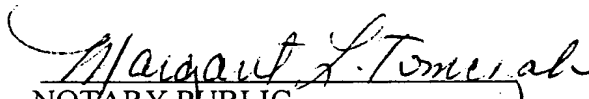
Dated: 2/25/2000


Tao Tao

STATE OF MARYLAND)
)
COUNTY OF MONTGOMERY) ss.

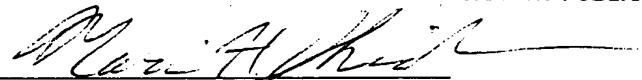
On 2/25/00, before me, 
(insert name of notary public), personally appeared TAO TAO, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


NOTARY PUBLIC

My Commission Expires: _____
MY COMMISSION EXPIRES
MARCH 1, 2003
MARGARET L. TOMCZAK
NOTARY PUBLIC

Dated: 02/25/00


Mario H. Skiadopoulos

STATE OF MARYLAND)
)
COUNTY OF MONTGOMERY) ss.

On 2/25/00, before me, Margaret Tomczak
(insert name of notary public), personally appeared MARIO H. SKIADOPOULOS, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


NOTARY PUBLIC

My Commission Expires: _____

MY COMMISSION EXPIRES
MARCH 1, 2003
MARGARET L. TOMCZAK
NOTARY PUBLIC

Dated: 2/25/00

Peter L. Collins

Peter L. Collins

STATE OF MARYLAND)

) ss.

COUNTY OF MONTGOMERY)

On 2/25/00, before me, Margaret L. Tomczak
(insert name of notary public), personally appeared PETER L. COLLINS, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Margaret L. Tomczak
NOTARY PUBLIC

My Commission Expires: _____

MY COMMISSION EXPIRES
MARCH 1, 2003
MARGARET L. TOMCZAK
NOTARY PUBLIC

Dated: 2/25/00

Brian R. Murphy

Brian R. Murphy

STATE OF MARYLAND)

) ss.

COUNTY OF MONTGOMERY)

On 2/25/00, before me, Margaret L. Tomczak
(insert name of notary public), personally appeared BRIAN R. MURPHY, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Margaret L. Tomczak
NOTARY PUBLIC

My Commission Expires: _____

SE 5002456 v1

MY COMMISSION EXPIRES
MARCH 1, 2003
MARGARET L. TOMCZAK
NOTARY PUBLIC

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VIRUSES EXPRESSING A CHIMERIC GLYCOPROTEIN

Group Art Unit: 1648

Examiner: S. Brown

Commissioner for Patents
Washington, DC 20231

ASSOCIATE POWER OF ATTORNEY

Sir:

The undersigned attorney of record, pursuant to the provisions of 37 C.F.R. §§ 1.33 and 1.34, and M.P.E.P. §402.02, hereby appoints the registrants of Woodcock Washburn LLP, One Liberty Place, 46th Floor, Philadelphia, Pennsylvania 19103, telephone (215) 568-3100, as its agents and attorneys to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

Done on this 11 day of MARCH, 2002, at Rockville, Maryland.

UNITED STATES DEPARTMENT OF
HEALTH AND HUMAN SERVICES

By: Jack Spiegel

Printed Name: Jack Spiegel

Registration No.: 34,477

for: Dr. Jack Spiegel, Director, DTD
Office of Technology Transfer
National Institutes of Health
6011 Executive Boulevard, Suite 325
Rockville, MD 20852
Telephone (301) 496-7056
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DHHS CASE NO. E-029-00/00

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